

**Summary of Chemistry Results  
Zone F1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in January - June 2023 from Residences in Zone F1**

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
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FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	F1-ASHE4011	F1-ASHE4023	F1-BENN5502		F1-BENN5507	F1-BENN5517	F1-BENN5518	F1-BENN5526	
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residence	
		Address:	4011 Asher Court	4023 Asher Court	5502 Bennion Drive		5507 Bennion Drive	5517 Bennion Drive	5518 Bennion Drive	5526 Bennion Drive	
		Field Sample ID:	F1-TW-0008950-22340-N	F1-TW-0008956-22340-N	F1-TW-0000318-22340-3-N	F1-TW-0000318-22340-N	F1-TW-0008967-22340-N	F1-TW-0008712-22340-N	F1-TW-0008713-22340-N	F1-TW-0008589-22340-N	
		Sample Date:	2023-01-17	2023-01-17	2023-01-17	2023-01-17	2023-01-17	2023-02-28	2023-02-28	2023-01-17	
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	430	320	430	430	210	210	260	380
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	58.3	50.9	98.4	63.8	74.1	69.3	65.3	70.4
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	58.3	50.9	98.4	63.8	74.1	69.3	65.3	70.4
Metals (ppb)	Antimony	6	MCL	0.110	ND	ND	ND	ND	ND	0.110	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.80	1.80	1.80	1.90	1.90	2.00	1.80
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.80	1.70	1.70	1.80	1.90	1.50	1.50	1.80
	Copper	1300	MCL	69.7	40.3	80.9	84.4	123	43.2	54.2	49.1
	Lead	15	MCL	ND	ND	1.30	ND	ND	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	0.0110	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:		Location ID:	Location ID:	Location ID:	Location ID:
				Location Type:	Location Type:	Location Type:		Location Type:	Location Type:	Location Type:	Location Type:
				Address:	Address:	Address:		Address:	Address:	Address:	Address:
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
				F1-ASHE4011	F1-ASHE4023	F1-BENN5502		F1-BENN5507	F1-BENN5517	F1-BENN5518	F1-BENN5526
				Residence	Residence	Residence		Residence	Residence	Residence	Residence
				4011 Asher Court	4023 Asher Court	5502 Bennion Drive		5507 Bennion Drive	5517 Bennion Drive	5518 Bennion Drive	5526 Bennion Drive
				F1-TW-0008950-22340-N	F1-TW-0008956-22340-N	F1-TW-0000318-22340-3-N	F1-TW-0000318-22340-N	F1-TW-0008967-22340-N	F1-TW-0008712-22340-N	F1-TW-0008713-22340-N	F1-TW-0008589-22340-N
				2023-01-17	2023-01-17	2023-01-17	2023-01-17	2023-01-17	2023-02-28	2023-02-28	2023-01-17
				N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
				ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND

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		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residence
		Address:	4011 Asher Court	4023 Asher Court	5502 Bennion Drive		5507 Bennion Drive	5517 Bennion Drive	5518 Bennion Drive	5526 Bennion Drive
		Field Sample ID:	F1-TW-0008950-22340-N	F1-TW-0008956-22340-N	F1-TW-0000318-22340-3-N	F1-TW-0000318-22340-N	F1-TW-0008967-22340-N	F1-TW-0008712-22340-N	F1-TW-0008713-22340-N	F1-TW-0008589-22340-N
		Sample Date:	2023-01-17	2023-01-17	2023-01-17	2023-01-17	2023-01-17	2023-02-28	2023-02-28	2023-01-17
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.930	0.310	0.360	0.270	0.290	0.410	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.420	ND	0.260	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	1.35	0.310	0.620	0.270	0.290	0.410	ND

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		Location ID:	F1-BENN5535	F1-BENN5583	F1-CAKO4500	F1-CAKO4501	F1-CAKO4507	F1-CAKO4510	F1-CAKO4521	F1-CAKO4522	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	5535 Bennion Drive	5583 Bennion Drive	4500 Cakon Place	4501 Cakon Place	4507 Cakon Place	4510 Cakon Place	4521 Cakon Place	4522 Cakon Place	
		Field Sample ID:	F1-TW-0008595-22340-N	F1-TW-0008691-22340-N	F1-TW-0008723-22340-N	F1-TW-0008724-22340-N	F1-TW-0008730-22340-N	F1-TW-0008733-22340-N	F1-TW-0009168-22340-N	F1-TW-0009169-22340-N	
		Sample Date:	2023-02-28	2023-02-28	2023-02-28	2023-01-17	2023-04-17	2023-01-18	2023-04-17	2023-01-18	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	F1-BENN5535	F1-BENN5583	F1-CAKO4500	F1-CAKO4501	F1-CAKO4507	F1-CAKO4510	F1-CAKO4521	F1-CAKO4522
Field Test (ppb)	Free Chlorine	4000	MCL	50.0	450	340	60.0	260	410	30.0	470
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	61.0	ND	59.0	58.6	ND	50.4	ND	55.9
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	61.0	ND	59.0	58.6	ND	50.4	ND	55.9
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.00	1.90	1.90	1.90	1.80	1.80	1.80	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.40	1.30	1.50	1.80	1.60	1.90	1.60	1.70
	Copper	1300	MCL	168	97.1	104	19.9	52.0	91.1	155	37.2
	Lead	15	MCL	ND	0.190	ND	ND	ND	1.20	ND	0.170
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	5535 Bennion Drive	5583 Bennion Drive	4500 Cakon Place	4501 Cakon Place	4507 Cakon Place	4510 Cakon Place	4521 Cakon Place	4522 Cakon Place
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		Sample Date:	2023-02-28	2023-02-28	2023-02-28	2023-01-17	2023-04-17	2023-01-18	2023-04-17	2023-01-18
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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		Address:	5535 Bennion Drive	5583 Bennion Drive	4500 Cakon Place	4501 Cakon Place	4507 Cakon Place	4510 Cakon Place	4521 Cakon Place	4522 Cakon Place
		Field Sample ID:	F1-TW-0008595-22340-N	F1-TW-0008691-22340-N	F1-TW-0008723-22340-N	F1-TW-0008724-22340-N	F1-TW-0008730-22340-N	F1-TW-0008733-22340-N	F1-TW-0009168-22340-N	F1-TW-0009169-22340-N
		Sample Date:	2023-02-28	2023-02-28	2023-02-28	2023-01-17	2023-04-17	2023-01-18	2023-04-17	2023-01-18
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.670	0.380	0.360	0.510	0.330	0.330	1.70
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.310	0.290	ND	0.280	ND	ND	ND
	Total Trihalomethanes	80	MCL	0.980	0.670	0.360	0.790	0.330	0.330	1.70

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		Location ID:	F1-CLAR4402	F1-CLAR4403	F1-CLAR4408	F1-CLAR4423		F1-FLAH4324	F1-FLAH4325	F1-FLAH4330	
		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence	
		Address:	4402 Clarey Boulevard	4403 Clarey Boulevard	4408 Clarey Boulevard	4423 Clarey Boulevard		4324 Flaherty Circle	4325 Flaherty Circle	4330 Flaherty Circle	
		Field Sample ID:	F1-TW-0009173-22340-N	F1-TW-0009174-22340-N	F1-TW-0009179-22340-N	F1-TW-0009193-22340-3-N	F1-TW-0009193-22340-N	F1-TW-0009198-22340-N	F1-TW-0009199-22340-N	F1-TW-0009203-22340-N	
		Sample Date:	2023-04-17	2023-01-17	2023-02-28	2023-01-17	2023-01-17	2023-01-17	2023-04-17	2023-01-17	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	210	400	130	480	480	550	260	260
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	55.0	ND	ND	67.8	73.4	ND	81.4
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	55.0	ND	ND	67.8	73.4	ND	81.4
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	0.140
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.90	2.00	1.90	1.90	1.80	1.90	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.80	1.80	1.50	1.80	1.90	1.80	1.80	2.00
	Copper	1300	MCL	98.2	63.1	120	79.9	76.7	64.1	141	68.8
	Lead	15	MCL	ND	0.130	ND	0.310	0.230	7.40	ND	4.90
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	0.310
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:	Location ID:		Location ID:	Location ID:	Location ID:
				Location Type:	Location Type:	Location Type:	Location Type:		Location Type:	Location Type:	Location Type:
				Address:	Address:	Address:	Address:		Address:	Address:	Address:
				Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:	Field Sample ID:
				Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:	Sample Date:
				Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:	Sample Type:
				F1-CLAR4402	F1-CLAR4403	F1-CLAR4408	F1-CLAR4423		F1-FLAH4324	F1-FLAH4325	F1-FLAH4330
				Residence	Residence	Residence	Residence		Residence	Residence	Residence
				4402 Clarey Boulevard	4403 Clarey Boulevard	4408 Clarey Boulevard	4423 Clarey Boulevard		4324 Flaherty Circle	4325 Flaherty Circle	4330 Flaherty Circle
				F1-TW-0009173-22340-N	F1-TW-0009174-22340-N	F1-TW-0009179-22340-N	F1-TW-0009193-22340-3-N	F1-TW-0009193-22340-N	F1-TW-0009198-22340-N	F1-TW-0009199-22340-N	F1-TW-0009203-22340-N
				2023-04-17	2023-01-17	2023-02-28	2023-01-17	2023-01-17	2023-01-17	2023-04-17	2023-01-17
				N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
				ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	0.780	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND



**Summary of Chemistry Results  
Zone F1 Long Term Monitoring  
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		Location ID:	F1-CLAR4402	F1-CLAR4403	F1-CLAR4408	F1-CLAR4423		F1-FLAH4324	F1-FLAH4325	F1-FLAH4330
		Location Type:	Residence	Residence	Residence	Residence		Residence	Residence	Residence
		Address:	4402 Clarey Boulevard	4403 Clarey Boulevard	4408 Clarey Boulevard	4423 Clarey Boulevard		4324 Flaherty Circle	4325 Flaherty Circle	4330 Flaherty Circle
		Field Sample ID:	F1-TW-0009173-22340-N	F1-TW-0009174-22340-N	F1-TW-0009179-22340-N	F1-TW-0009193-22340-3-N	F1-TW-0009193-22340-N	F1-TW-0009198-22340-N	F1-TW-0009199-22340-N	F1-TW-0009203-22340-N
		Sample Date:	2023-04-17	2023-01-17	2023-02-28	2023-01-17	2023-01-17	2023-01-17	2023-04-17	2023-01-17
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	0.780	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.430	0.280	0.420	ND	0.400	0.370	0.510
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	ND	0.300	ND	ND
	Total Trihalomethanes	80	MCL	0.430	0.280	0.420	ND	0.700	0.370	0.510

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		Location ID:	F1-FUQU5214	F1-FUQU5216	F1-FUQU5219	F1-FUQU5302	F1-FUQU5309	F1-JONE4800	F1-JONE4801	F1-JONE4816	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	5214 Fuqua Lane	5216 Fuqua Lane	5219 Fuqua Lane	5302 Fuqua Street	5309 Fuqua Street	4800 Jones Court	4801 Jones Court	4816 Jones Court	
		Field Sample ID:	F1-TW-0008745-22340-N	F1-TW-0008747-22340-N	F1-TW-0008749-22340-N	F1-TW-0008756-22340-N	F1-TW-0000305-22340-N	F1-TW-0008772-22340-N	F1-TW-0008773-22340-N	F1-TW-0008786-22340-N	
		Sample Date:	2023-03-21	2023-04-17	2023-01-17	2023-01-18	2023-04-17	2023-03-21	2023-01-18	2023-01-17	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	160	160	120	350	30.0	200	230	220
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	57.5	ND	67.6	73.5	ND	ND	ND	69.3
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	57.5	ND	67.6	73.5	ND	ND	ND	69.3
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	0.120
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.90	1.90	1.20	1.90	1.90	1.80	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	2.20	1.70	1.70	1.00	1.70	2.60	2.00	1.80
	Copper	1300	MCL	97.6	147	52.3	64.5	65.9	49.5	143	50.9
	Lead	15	MCL	ND	ND	1.10	0.300	ND	ND	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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		Location ID:	F1-FUQU5214	F1-FUQU5216	F1-FUQU5219	F1-FUQU5302	F1-FUQU5309	F1-JONE4800	F1-JONE4801	F1-JONE4816
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	5214 Fuqua Lane	5216 Fuqua Lane	5219 Fuqua Lane	5302 Fuqua Street	5309 Fuqua Street	4800 Jones Court	4801 Jones Court	4816 Jones Court
		Field Sample ID:	F1-TW-0008745-22340-N	F1-TW-0008747-22340-N	F1-TW-0008749-22340-N	F1-TW-0008756-22340-N	F1-TW-0000305-22340-N	F1-TW-0008772-22340-N	F1-TW-0008773-22340-N	F1-TW-0008786-22340-N
		Sample Date:	2023-03-21	2023-04-17	2023-01-17	2023-01-18	2023-04-17	2023-03-21	2023-01-18	2023-01-17
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	5214 Fuqua Lane	5216 Fuqua Lane	5219 Fuqua Lane	5302 Fuqua Street	5309 Fuqua Street	4800 Jones Court	4801 Jones Court	4816 Jones Court
		Field Sample ID:	F1-TW-0008745-22340-N	F1-TW-0008747-22340-N	F1-TW-0008749-22340-N	F1-TW-0008756-22340-N	F1-TW-0000305-22340-N	F1-TW-0008772-22340-N	F1-TW-0008773-22340-N	F1-TW-0008786-22340-N
		Sample Date:	2023-03-21	2023-04-17	2023-01-17	2023-01-18	2023-04-17	2023-03-21	2023-01-18	2023-01-17
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.290	0.410	0.380	0.470	0.430	0.260	0.620
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	0.300	0.300	ND	ND	0.290
	Total Trihalomethanes	80	MCL	0.290	0.410	0.680	0.770	0.430	0.260	0.910

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		Location ID:	F1-KIDD4903	F1-KIDD4905	F1-KIDD4915		F1-KIDD4917		F1-KIDD4922	F1-KIDD5028	
		Location Type:	Residence	Residence	Residence		Residence		Residence	Residence	
		Address:	4903 Kidd Court	4905 Kidd Court	4915 Kidd Court		4917 Kidd Court		4922 Kidd Court	5028 Kidd Street	
		Field Sample ID:	F1-TW-0008790-22340-N	F1-TW-0008791-22340-N	F1-TW-0000299-22340-3-N	F1-TW-0000299-22340-N	F1-TW-0008795-22340-3-N	F1-TW-0008795-22340-N	F1-TW-0008800-22340-N	F1-TW-0008826-22340-N	
		Sample Date:	2023-02-28	2023-01-17	2023-03-21	2023-03-21	2023-04-17	2023-04-17	2023-03-21	2023-01-18	
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	180	380	210	210	680	680	100	420
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	60.2	ND	69.6	64.5	ND	55.8	62.4	56.4
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	60.2	ND	69.6	64.5	ND	55.8	62.4	56.4
Metals (ppb)	Antimony	6	MCL	ND	0.110	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	2.00	1.90	1.90	1.80	1.80	1.90	2.10
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.30	1.90	2.30	2.30	1.50	1.70	2.10	1.90
	Copper	1300	MCL	70.1	65.1	47.4	58.6	29.1	29.1	82.2	32.7
	Lead	15	MCL	ND	0.230	ND	ND	ND	ND	ND	0.770
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:		Location ID:		Location ID:	Location ID:
				F1-KIDD4903	F1-KIDD4905	F1-KIDD4915		F1-KIDD4917		F1-KIDD4922	F1-KIDD5028
				Residence	Residence	Residence		Residence		Residence	Residence
				4903 Kidd Court	4905 Kidd Court	4915 Kidd Court		4917 Kidd Court		4922 Kidd Court	5028 Kidd Street
				F1-TW-0008790-22340-N	F1-TW-0008791-22340-N	F1-TW-0000299-22340-3-N	F1-TW-0000299-22340-N	F1-TW-0008795-22340-3-N	F1-TW-0008795-22340-N	F1-TW-0008800-22340-N	F1-TW-0008826-22340-N
				2023-02-28	2023-01-17	2023-03-21	2023-03-21	2023-04-17	2023-04-17	2023-03-21	2023-01-18
				N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone F1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in January - June 2023 from Residences in Zone F1**

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		Location ID:	F1-KIDD4903	F1-KIDD4905	F1-KIDD4915		F1-KIDD4917		F1-KIDD4922	F1-KIDD5028
		Location Type:	Residence	Residence	Residence		Residence		Residence	Residence
		Address:	4903 Kidd Court	4905 Kidd Court	4915 Kidd Court		4917 Kidd Court		4922 Kidd Court	5028 Kidd Street
		Field Sample ID:	F1-TW-0008790-22340-N	F1-TW-0008791-22340-N	F1-TW-0000299-22340-3-N	F1-TW-0000299-22340-N	F1-TW-0008795-22340-3-N	F1-TW-0008795-22340-N	F1-TW-0008800-22340-N	F1-TW-0008826-22340-N
		Sample Date:	2023-02-28	2023-01-17	2023-03-21	2023-03-21	2023-04-17	2023-04-17	2023-03-21	2023-01-18
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.340	0.330	ND	ND	ND	0.300	0.370
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.260	0.260	ND	ND	ND	ND	0.280
	Total Trihalomethanes	80	MCL	0.600	0.590	ND	ND	ND	0.300	0.370

**Summary of Chemistry Results  
Zone F1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	F1-MCMO5407	F1-MCMO5414	F1-MCMO5419	F1-MCMO5453	F1-MCMO5459		F1-MCMO5466	F1-MCMO5473	
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence	
		Address:	5407 McMorris Drive	5414 McMorris Drive	5419 McMorris Drive	5453 McMorris Drive	5459 McMorris Drive		5466 McMorris Drive	5473 McMorris Drive	
		Field Sample ID:	F1-TW-0008837-22340-N	F1-TW-0008843-22340-N	F1-TW-0008848-22340-N	F1-TW-0008863-22340-N	F1-TW-0008869-22340-3-N	F1-TW-0008869-22340-N	F1-TW-0008874-22340-N	F1-TW-0008972-22340-N	
		Sample Date:	2023-02-28	2023-01-19	2023-02-28	2023-01-17	2023-02-28	2023-02-28	2023-01-18	2023-01-17	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	380	110	250	530	430	430	260	430
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	59.7	ND	ND	59.5	ND	ND	62.8	71.1
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	59.7	ND	ND	59.5	ND	ND	62.8	71.1
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	2.30	1.90	1.90	1.90	1.90	1.80	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.20	1.80	1.30	1.80	1.40	1.30	1.80	1.90
	Copper	1300	MCL	102	38.6	76.3	26.8	29.3	33.4	25.7	43.9
	Lead	15	MCL	0.690	0.890	0.180	0.450	0.250	0.270	0.470	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND



Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F1-MCMO5407	F1-MCMO5414	F1-MCMO5419	F1-MCMO5453	F1-MCMO5459		F1-MCMO5466	F1-MCMO5473
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	5407 McMorris Drive	5414 McMorris Drive	5419 McMorris Drive	5453 McMorris Drive	5459 McMorris Drive		5466 McMorris Drive	5473 McMorris Drive
				Field Sample ID:	F1-TW-0008837-22340-N	F1-TW-0008843-22340-N	F1-TW-0008848-22340-N	F1-TW-0008863-22340-N	F1-TW-0008869-22340-3-N	F1-TW-0008869-22340-N	F1-TW-0008874-22340-N	F1-TW-0008972-22340-N
				Sample Date:	2023-02-28	2023-01-19	2023-02-28	2023-01-17	2023-02-28	2023-02-28	2023-01-18	2023-01-17
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone F1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F1-MCMO5407	F1-MCMO5414	F1-MCMO5419	F1-MCMO5453	F1-MCMO5459		F1-MCMO5466	F1-MCMO5473
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	5407 McMorris Drive	5414 McMorris Drive	5419 McMorris Drive	5453 McMorris Drive	5459 McMorris Drive		5466 McMorris Drive	5473 McMorris Drive
				Field Sample ID:	F1-TW-0008837-22340-N	F1-TW-0008843-22340-N	F1-TW-0008848-22340-N	F1-TW-0008863-22340-N	F1-TW-0008869-22340-3-N	F1-TW-0008869-22340-N	F1-TW-0008874-22340-N	F1-TW-0008972-22340-N
				Sample Date:	2023-02-28	2023-01-19	2023-02-28	2023-01-17	2023-02-28	2023-02-28	2023-01-18	2023-01-17
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.280	0.270	0.320	0.420	0.360	0.320	0.340	0.570	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND	0.290	0.280	0.270	ND	0.320	
	Total Trihalomethanes	80	MCL	0.280	0.270	0.320	0.710	0.640	0.590	0.340	0.890	

Summary of Chemistry Results  
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		Location ID:	F1-MORE3005	F1-MORE3141	F1-PHAR4302		F1-PHAR4303	F1-PHAR4314	F1-REEV4706	F1-REEV4709	
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residence	
		Address:	3005 Moreell Circle	3141 Moreell Drive	4302 Pharris Place		4303 Pharris Place	4314 Pharris Place	4706 Reeves Loop	4709 Reeves Loop	
		Field Sample ID:	F1-TW-0008982-22340-N	F1-TW-0009017-22340-N	F1-TW-0009040-22340-3-N	F1-TW-0009040-22340-N	F1-TW-0009041-22340-N	F1-TW-0009052-22340-N	F1-TW-0009062-22340-N	F1-TW-0009064-22340-N	
		Sample Date:	2023-01-17	2023-01-17	2023-04-18	2023-04-18	2023-02-28	2023-01-17	2023-03-21	2023-01-18	
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	410	180	80.0	80.0	30.0	490	410	310
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	85.4	54.5	84.6	57.1	ND	72.8	78.3	68.7
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	85.4	54.5	84.6	57.1	ND	72.8	78.3	68.7
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.90	1.90	1.80	1.90	1.80	1.90	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.90	2.00	1.50	1.60	1.30	1.80	2.20	1.80
	Copper	1300	MCL	33.4	44.8	76.7	88.4	86.7	64.2	53.9	33.5
	Lead	15	MCL	ND	ND	ND	ND	0.210	ND	ND	0.610
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	0.420	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	0.0160	0.0110
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
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Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	Location ID:	Location ID:		Location ID:	Location ID:	Location ID:	Location ID:
				F1-MORE3005	F1-MORE3141	F1-PHAR4302		F1-PHAR4303	F1-PHAR4314	F1-REEV4706	F1-REEV4709
				Residence	Residence	Residence		Residence	Residence	Residence	Residence
				3005 Moreell Circle	3141 Moreell Drive	4302 Pharris Place		4303 Pharris Place	4314 Pharris Place	4706 Reeves Loop	4709 Reeves Loop
				F1-TW-0008982-22340-N	F1-TW-0009017-22340-N	F1-TW-0009040-22340-3-N	F1-TW-0009040-22340-N	F1-TW-0009041-22340-N	F1-TW-0009052-22340-N	F1-TW-0009062-22340-N	F1-TW-0009064-22340-N
				2023-01-17	2023-01-17	2023-04-18	2023-04-18	2023-02-28	2023-01-17	2023-03-21	2023-01-18
				N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone F1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	F1-MORE3005	F1-MORE3141	F1-PHAR4302		F1-PHAR4303	F1-PHAR4314	F1-REEV4706	F1-REEV4709	
		Location Type:	Residence	Residence	Residence		Residence	Residence	Residence	Residence	
		Address:	3005 Moreell Circle	3141 Moreell Drive	4302 Pharris Place		4303 Pharris Place	4314 Pharris Place	4706 Reeves Loop	4709 Reeves Loop	
		Field Sample ID:	F1-TW-0008982-22340-N	F1-TW-0009017-22340-N	F1-TW-0009040-22340-3-N	F1-TW-0009040-22340-N	F1-TW-0009041-22340-N	F1-TW-0009052-22340-N	F1-TW-0009062-22340-N	F1-TW-0009064-22340-N	
		Sample Date:	2023-01-17	2023-01-17	2023-04-18	2023-04-18	2023-02-28	2023-01-17	2023-03-21	2023-01-18	
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.310	0.320	0.260	0.470	0.730	0.250	ND	0.370
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	ND	0.260	ND	ND	0.260	ND	ND	0.310
	Total Trihalomethanes	80	MCL	0.310	0.580	0.260	0.470	0.990	0.250	ND	0.680

Summary of Chemistry Results  
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		Location ID:	F1-REEV4722	F1-REEV4723	F1-REEV4755	F1-REEV4764	F1-ROOD4101	F1-ROOD4119	F1-ROSS4429	F1-ROSS4439	
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
		Address:	4722 Reeves Loop	4723 Reeves Loop	4755 Reeves Loop	4764 Reeves Loop	4101 Rood Court	4119 Rood Court	4429 Ross Court	4439 Ross Court	
		Field Sample ID:	F1-TW-0009073-22340-N	F1-TW-0009074-22340-N	F1-TW-0009093-22340-N	F1-TW-0009098-22340-N	F1-TW-0009105-22340-N	F1-TW-0009112-22340-N	F1-TW-0009123-22340-N	F1-TW-0009132-22340-N	
		Sample Date:	2023-01-18	2023-01-17	2023-01-17	2023-02-28	2023-01-17	2023-02-28	2023-01-18	2023-01-18	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	280	110	350	170	530	400	230	510
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	58.2	52.5	62.1	ND	74.3	ND	87.8	72.4
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	58.2	52.5	62.1	ND	74.3	ND	87.8	72.4
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	1.90	1.80	1.90	1.80	1.90	1.90	1.80	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.80	1.70	1.80	1.30	1.80	1.30	2.00	1.90
	Copper	1300	MCL	94.2	50.8	63.4	55.3	18.0	39.6	89.7	61.7
	Lead	15	MCL	ND	ND	0.660	ND	ND	0.270	ND	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	0.0140	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

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		Location ID:	F1-REEV4722	F1-REEV4723	F1-REEV4755	F1-REEV4764	F1-ROOD4101	F1-ROOD4119	F1-ROSS4429	F1-ROSS4439
		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	4722 Reeves Loop	4723 Reeves Loop	4755 Reeves Loop	4764 Reeves Loop	4101 Rood Court	4119 Rood Court	4429 Ross Court	4439 Ross Court
		Field Sample ID:	F1-TW-0009073-22340-N	F1-TW-0009074-22340-N	F1-TW-0009093-22340-N	F1-TW-0009098-22340-N	F1-TW-0009105-22340-N	F1-TW-0009112-22340-N	F1-TW-0009123-22340-N	F1-TW-0009132-22340-N
		Sample Date:	2023-01-18	2023-01-17	2023-01-17	2023-02-28	2023-01-17	2023-02-28	2023-01-18	2023-01-18
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone F1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
		Address:	4722 Reeves Loop	4723 Reeves Loop	4755 Reeves Loop	4764 Reeves Loop	4101 Rood Court	4119 Rood Court	4429 Ross Court	4439 Ross Court
		Field Sample ID:	F1-TW-0009073-22340-N	F1-TW-0009074-22340-N	F1-TW-0009093-22340-N	F1-TW-0009098-22340-N	F1-TW-0009105-22340-N	F1-TW-0009112-22340-N	F1-TW-0009123-22340-N	F1-TW-0009132-22340-N
		Sample Date:	2023-01-18	2023-01-17	2023-01-17	2023-02-28	2023-01-17	2023-02-28	2023-01-18	2023-01-18
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.320	0.410	0.350	0.320	0.330	1.10	0.350
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.280	ND	ND	ND	ND	0.290	ND
	Total Trihalomethanes	80	MCL	0.600	0.410	0.350	0.320	0.330	1.39	0.350



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		Location ID:	F1-SCOT4607	F1-SCOT4625		F1-TAYL3402	F1-TAYL3403	F1-TAYL3412	F1-TAYL3421	F1-TAYL3430	
		Location Type:	Residence	Residence		Residence	Residence	Residence	Residence	Residence	
		Address:	4607 Scott Loop	4625 Scott Loop		3402 Taylor Street	3403 Taylor Street	3412 Taylor Street	3421 Taylor Street	3430 Taylor Street	
		Field Sample ID:	F1-TW-0009135-22340-N	F1-TW-0009143-22340-3-N	F1-TW-0009143-22340-N	F1-TW-0009145-22340-N	F1-TW-0009146-22340-N	F1-TW-0009155-22340-N	F1-TW-0009164-22340-N	F1-TW-0008545-22340-N	
		Sample Date:	2023-01-17	2023-02-28	2023-02-28	2023-01-18	2023-02-28	2023-01-18	2023-01-18	2023-03-21	
		Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	440	250	250	180	250	480	300	420
Field Test (ppb)	Free Chlorine	4000	MCL	440	250	250	180	250	480	300	420
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	66.4	60.7	66.1	61.4	ND	67.3	69.6	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	66.4	60.7	66.1	61.4	ND	67.3	69.6	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	0.140	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.40	2.00	2.00	1.90	1.90	1.80	1.90	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.80	1.40	1.50	1.80	1.30	1.80	1.70	2.20
	Copper	1300	MCL	67.7	103	130	27.1	27.5	24.5	29.5	17.8
	Lead	15	MCL	0.190	0.150	ND	ND	ND	ND	ND	0.380
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

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 Zone F1 Long Term Monitoring  
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		Location ID:	F1-SCOT4607	F1-SCOT4625		F1-TAYL3402	F1-TAYL3403	F1-TAYL3412	F1-TAYL3421	F1-TAYL3430
		Location Type:	Residence	Residence		Residence	Residence	Residence	Residence	Residence
		Address:	4607 Scott Loop	4625 Scott Loop		3402 Taylor Street	3403 Taylor Street	3412 Taylor Street	3421 Taylor Street	3430 Taylor Street
		Field Sample ID:	F1-TW-0009135-22340-N	F1-TW-0009143-22340-3-N	F1-TW-0009143-22340-N	F1-TW-0009145-22340-N	F1-TW-0009146-22340-N	F1-TW-0009155-22340-N	F1-TW-0009164-22340-N	F1-TW-0008545-22340-N
		Sample Date:	2023-01-17	2023-02-28	2023-02-28	2023-01-18	2023-02-28	2023-01-18	2023-01-18	2023-03-21
		Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F1-SCOT4625		F1-TAYL3402	F1-TAYL3403	F1-TAYL3412	F1-TAYL3421	F1-TAYL3430	
				Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	
				Address:	4625 Scott Loop		3402 Taylor Street	3403 Taylor Street	3412 Taylor Street	3421 Taylor Street	3430 Taylor Street	
				Field Sample ID:	F1-TW-0009135-22340-N	F1-TW-0009143-22340-3-N	F1-TW-0009143-22340-N	F1-TW-0009145-22340-N	F1-TW-0009146-22340-N	F1-TW-0009155-22340-N	F1-TW-0009164-22340-N	F1-TW-0008545-22340-N
				Sample Date:	2023-01-17	2023-02-28	2023-02-28	2023-01-18	2023-02-28	2023-01-18	2023-01-18	2023-03-21
				Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND	ND	
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Bromoform	--	--	0.360	0.350	0.410	3.50	0.270	0.470	0.430	ND	
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Dibromochloromethane	--	--	ND	0.260	0.300	0.420	ND	0.330	0.330	ND	
Total Trihalomethanes		80	MCL	0.360	0.610	0.710	3.92	0.270	0.800	0.760	ND	

**Summary of Chemistry Results  
Zone F1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in January - June 2023 from Residences in Zone F1**

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	F1-TAYL3450	F1-TAYL3464	F1-THOM4203	F1-TOMI3187	F1-TOMI3211		F1-WARD5103	F1-WARD5115	
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence	
		Address:	3450 Taylor Street	3464 Taylor Street	4203 Thomas Way	3187 Tomich Court	3211 Tomich Court		5103 Warden Court	5115 Warden Court	
		Field Sample ID:	F1-TW-0008554-22340-N	F1-TW-0008561-22340-N	F1-TW-0008885-22340-N	F1-TW-0008909-22340-N	F1-TW-0008635-22340-3-N	F1-TW-0008635-22340-N	F1-TW-0008933-22340-N	F1-TW-0008938-22340-N	
		Sample Date:	2023-01-18	2023-01-18	2023-02-28	2023-03-21	2023-01-18	2023-01-18	2023-02-28	2023-02-28	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	590	540	360	160	580	580	400	370
Field Test (ppb)	Free Chlorine	4000	MCL	590	540	360	160	580	580	400	370
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	730	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	68.0	ND	60.7	ND	ND	ND	ND	71.5
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	68.0	ND	60.7	ND	ND	ND	ND	71.5
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.00	2.20	1.80	1.80	2.00	1.80	1.80	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	2.00	1.70	1.50	2.10	1.90	1.80	1.30	1.30
	Copper	1300	MCL	19.4	24.3	21.6	36.8	42.2	51.4	75.7	57.8
	Lead	15	MCL	ND	ND	ND	ND	ND	ND	0.380	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	3.40	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Residences in Zone F1

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F1-TAYL3450	F1-TAYL3464	F1-THOM4203	F1-TOMI3187	F1-TOMI3211		F1-WARD5103	F1-WARD5115
				Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
				Address:	3450 Taylor Street	3464 Taylor Street	4203 Thomas Way	3187 Tomich Court	3211 Tomich Court		5103 Warden Court	5115 Warden Court
				Field Sample ID:	F1-TW-0008554-22340-N	F1-TW-0008561-22340-N	F1-TW-0008885-22340-N	F1-TW-0008909-22340-N	F1-TW-0008635-22340-3-N	F1-TW-0008635-22340-N	F1-TW-0008933-22340-N	F1-TW-0008938-22340-N
				Sample Date:	2023-01-18	2023-01-18	2023-02-28	2023-03-21	2023-01-18	2023-01-18	2023-02-28	2023-02-28
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	1.30	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone F1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in January - June 2023 from Residences in Zone F1**

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample

		Location ID:	F1-TAYL3450	F1-TAYL3464	F1-THOM4203	F1-TOMI3187	F1-TOMI3211		F1-WARD5103	F1-WARD5115
		Location Type:	Residence	Residence	Residence	Residence	Residence		Residence	Residence
		Address:	3450 Taylor Street	3464 Taylor Street	4203 Thomas Way	3187 Tomich Court	3211 Tomich Court		5103 Warden Court	5115 Warden Court
		Field Sample ID:	F1-TW-0008554-22340-N	F1-TW-0008561-22340-N	F1-TW-0008885-22340-N	F1-TW-0008909-22340-N	F1-TW-0008635-22340-3-N	F1-TW-0008635-22340-N	F1-TW-0008933-22340-N	F1-TW-0008938-22340-N
		Sample Date:	2023-01-18	2023-01-18	2023-02-28	2023-03-21	2023-01-18	2023-01-18	2023-02-28	2023-02-28
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	1.30	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.440	0.370	0.400	0.350	0.360	0.540	ND
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.290	0.300	0.300	ND	0.290	0.300	ND
	Total Trihalomethanes	80	MCL	0.730	0.670	0.700	0.350	0.650	0.840	ND

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Residences in Zone F1

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N (Grab, Resample) = Additional follow-up sample

		Location ID:	F1-WARD5119	F1-WARD5149	F1-WARD5161	F1-WARD5165	F1-WARD5177	
		Location Type:	Residence	Residence	Residence	Residence	Residence	
		Address:	5119 Warden Court	5149 Warden Court	5161 Warden Court	5165 Warden Court	5177 Warden Court	
		Field Sample ID:	F1-TW-0008941-22340-N	F1-TW-0008663-22340-N	F1-TW-0008670-22340-N	F1-TW-0008672-22340-N	F1-TW-0008682-22340-N	
		Sample Date:	2023-01-19	2023-05-01	2023-03-21	2023-03-21	2023-02-28	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	F1-WARD5119	F1-WARD5149	F1-WARD5161	F1-WARD5165	F1-WARD5177
Field Test (ppb)	Free Chlorine	4000	MCL	470	--	260	50.0	40.0
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	60.7	70.2	ND	52.1
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	60.7	70.2	ND	52.1
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	0.630	ND	ND	ND
	Barium	2000	MCL	2.00	2.10	1.90	1.90	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.90	1.90	2.20	2.20	1.40
	Copper	1300	MCL	66.5	130	51.1	59.5	105
	Lead	15	MCL	ND	0.240	ND	0.560	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Residences in Zone F1

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		Location ID:	F1-WARD5119	F1-WARD5149	F1-WARD5161	F1-WARD5165	F1-WARD5177
		Location Type:	Residence	Residence	Residence	Residence	Residence
		Address:	5119 Warden Court	5149 Warden Court	5161 Warden Court	5165 Warden Court	5177 Warden Court
		Field Sample ID:	F1-TW-0008941-22340-N	F1-TW-0008663-22340-N	F1-TW-0008670-22340-N	F1-TW-0008672-22340-N	F1-TW-0008682-22340-N
		Sample Date:	2023-01-19	2023-05-01	2023-03-21	2023-03-21	2023-02-28
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level				
Volatile Organic Compounds (ppb)	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND
Xylenes, Total	10000	MCL	ND	ND	ND	ND	
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND



Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Residences in Zone F1

<b>Notes:</b>
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		Location ID:	F1-WARD5119	F1-WARD5149	F1-WARD5161	F1-WARD5165	F1-WARD5177
		Location Type:	Residence	Residence	Residence	Residence	Residence
		Address:	5119 Warden Court	5149 Warden Court	5161 Warden Court	5165 Warden Court	5177 Warden Court
		Field Sample ID:	F1-TW-0008941-22340-N	F1-TW-0008663-22340-N	F1-TW-0008670-22340-N	F1-TW-0008672-22340-N	F1-TW-0008682-22340-N
		Sample Date:	2023-01-19	2023-05-01	2023-03-21	2023-03-21	2023-02-28
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level				
Haloacetic Acids (ppb)	Trichloroacetic acid	--	--	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND
	Bromoform	--	--	1.00	0.360	ND	0.460
	Chloroform	--	--	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.420	0.280	ND	0.290
	Total Trihalomethanes	80	MCL	1.42	0.640	ND	0.750

**Summary of Chemistry Results  
Zone F1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in January - June 2023 from Schools in Zone F1**

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		<b>Location ID:</b>		F1-MOAN0001				
		<b>Location Type:</b>		School				
		<b>Address:</b>		Pearl Harbor Elementary School, 1 Moanalua Ridge, Honolulu, HI				
		<b>Field Sample ID:</b>		F1-TW-0017726-22340-N-1	F1-TW-0017726-22340-N-2	F1-TW-0017726-22340-N-3	F1-TW-0017726-22340-N-4	F1-TW-0017726-22340-N-5
		<b>Sample Date:</b>		2023-02-09	2023-02-09	2023-02-09	2023-02-09	2023-02-09
		<b>Sample Type:</b>		N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
<b>Method Group</b>	<b>Analyte</b>	<b>DOH Project Screening Level</b>	<b>Basis of Project Screening Level</b>					
Field Test (ppb)	Free Chlorine	4000	MCL	180-450	180-450	180-450	180-450	180-450
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND	ND	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.00	2.00	2.20	2.00	2.00
	Beryllium	4	MCL	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.60	1.70	1.70	1.60	1.70
	Copper	1300	MCL	729	52.5	59.5	243	10.8
	Lead	15	MCL	17.2 §*	0.330	0.300	0.540	ND
	Mercury	2	MCL	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	0.440	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND

**Footnote:**

§\* A re-sample will promptly occur once the fixture has been replaced. Until the re-sample results indicate a concentration below the MCL, the fixture is secured (not-in-use) and has been put in the Department of Education replacement program.

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Schools in Zone F1

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	F1-MOAN001					
		Location Type:	School					
		Address:	Pearl Harbor Elementary School, 1 Moanalua Ridge, Honolulu, HI					
		Field Sample ID:	F1-TW-0017726-22340-N-1	F1-TW-0017726-22340-N-2	F1-TW-0017726-22340-N-3	F1-TW-0017726-22340-N-4	F1-TW-0017726-22340-N-5	
		Sample Date:	2023-02-09	2023-02-09	2023-02-09	2023-02-09	2023-02-09	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Volatile Organic Compounds (ppb)	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND
Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	
Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	
Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Schools in Zone F1

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	F1-MOAN0001					
		Location Type:	School					
		Address:	Pearl Harbor Elementary School, 1 Moanalua Ridge, Honolulu, HI					
		Field Sample ID:	F1-TW-0017726-22340-N-1	F1-TW-0017726-22340-N-2	F1-TW-0017726-22340-N-3	F1-TW-0017726-22340-N-4	F1-TW-0017726-22340-N-5	
		Sample Date:	2023-02-09	2023-02-09	2023-02-09	2023-02-09	2023-02-09	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level					
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND
	Bromoform	--	--	0.650	0.310	0.270	0.390	0.250
	Chloroform	--	--	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.250	ND	ND	ND	ND
	Total Trihalomethanes	80	MCL	0.900	0.310	0.270	0.390	0.250

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Child Development Centers in Zone F1

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

<b>Location ID:</b>	F1-BOUG4857	
<b>Location Type:</b>	Child Development Center	
<b>Address:</b>	Moanalua Pre-School - Kamaaina Kids - 4857 Bougainville Dr, Honolulu	
<b>Field Sample ID:</b>	F1-TW-0014170-22340-N-1	F1-TW-0014170-22340-N-2
<b>Sample Date:</b>	2023-02-09	2023-02-09
<b>Sample Type:</b>	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	290-380	290-380
Field Test (ppb)	Free Chlorine	4000	MCL	290-380	290-380
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	ND
	Barium	2000	MCL	2.00	1.90
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	1.70	1.70
	Copper	1300	MCL	4.90	4.70
	Lead	15	MCL	ND	ND
	Mercury	2	MCL	ND	ND
	Selenium	50	MCL	ND	ND
Thallium	2	MCL	ND	ND	
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND
	Naphthalene	17	EAL	ND	ND

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Child Development Centers in Zone F1

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

<b>Location ID:</b>	F1-BOUG4857	
<b>Location Type:</b>	Child Development Center	
<b>Address:</b>	Moanalua Pre-School - Kamaaina Kids - 4857 Bougainville Dr, Honolulu	
<b>Field Sample ID:</b>	F1-TW-0014170- 22340-N-1	F1-TW-0014170- 22340-N-2
<b>Sample Date:</b>	2023-02-09	2023-02-09
<b>Sample Type:</b>	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND
	Benzene	5	MCL	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND
	Chlorobenzene	100	MCL	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND
	Ethylbenzene	700	MCL	ND	ND
	m,p-Xylene	--	--	ND	ND
	Methylene chloride	5	MCL	ND	ND
	o-Xylene	--	--	ND	ND
	Styrene	100	MCL	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND
	Toluene	1000	MCL	ND	ND
trans-1,2-Dichloroethene	100	MCL	ND	ND	
Trichloroethene (TCE)	5	MCL	ND	ND	

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Child Development Centers in Zone F1

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

<b>Location ID:</b>	F1-BOUG4857	
<b>Location Type:</b>	Child Development Center	
<b>Address:</b>	Moanalua Pre-School - Kamaaina Kids - 4857 Bougainville Dr, Honolulu	
<b>Field Sample ID:</b>	F1-TW-0014170- 22340-N-1	F1-TW-0014170- 22340-N-2
<b>Sample Date:</b>	2023-02-09	2023-02-09
<b>Sample Type:</b>	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level		
Volatile Organic Compounds (ppb)	Vinyl chloride	2	MCL	ND	ND
	Xylenes, Total	10000	MCL	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND
	Chloroacetic acid	--	--	ND	ND
	Dibromoacetic acid	--	--	ND	ND
	Dichloroacetic acid	--	--	ND	ND
	Trichloroacetic acid	--	--	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND
	Bromoform	--	--	0.390	0.440
	Chloroform	--	--	ND	ND
	Dibromochloromethane	--	--	0.290	0.310
	Total Trihalomethanes	80	MCL	0.680	0.750

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Other Buildings in Zone F1

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	F1-BLDG0043	F1-BLDG00A7	F1-BLDG00X1	F1-BLDG0888	F1-BLDG0A12	F1-BLDG0C27	F1-BLDG0X12	F1-BLDG2638	
		Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	
		Address:	Building 43,PW MAINTENANCE SHOP (EUR B)	Building A7,ADMINISTRATION BUILDING	Building X1,PEST CONTROL SHOP	Building 888,NM GOLF CLUB HOUSE/RESTAURAN	Building A12,ADMIN OFFICE	Building C27,ADMIN / IT OFFICE	Building X12,CONSTRUCTION CREW SHOP	Building 2638,MCDONALD'S MOANALUA SHOP CTR	
		Field Sample ID:	F1-TW-0015366-22340-N	F1-TW-0015388-22340-N	F1-TW-0015390-22340-N	F1-TW-0015311-22340-N	F1-TW-0015312-22340-N	F1-TW-0015315-22340-N	F1-TW-0015319-22340-N	F1-TW-0015352-22340-N	
		Sample Date:	2023-03-21	2023-03-21	2023-01-17	2023-01-19	2023-04-17	2023-04-17	2023-04-17	2023-01-18	
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	300	220	440	470	500	440	530	450
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	57.1	59.2	55.6	71.5	ND	ND	58.7
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	57.1	59.2	55.6	71.5	ND	ND	58.7
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	0.530	ND	ND	ND	ND	ND	ND
	Barium	2000	MCL	2.10	2.20	2.20	2.00	1.90	2.20	1.90	1.90
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	0.0950	ND	ND	ND	ND	ND
	Chromium	100	MCL	2.20	2.30	1.70	2.00	1.60	1.70	1.60	1.80
	Copper	1300	MCL	12.1	31.3	22.2	21.6	59.4	48.2	33.1	16.3
	Lead	15	MCL	ND	1.60	1.10	1.40	ND	ND	ND	0.210
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND



Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Other Buildings in Zone F1

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F1-BLDG0043	F1-BLDG00A7	F1-BLDG00X1	F1-BLDG0888	F1-BLDG0A12	F1-BLDG0C27	F1-BLDG0X12	F1-BLDG2638
				Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
				Address:	Building 43,PW MAINTENANCE SHOP (EUR B)	Building A7,ADMINISTRATION BUILDING	Building X1,PEST CONTROL SHOP	Building 888,NM GOLF CLUB HOUSE/RESTAURAN	Building A12,ADMIN OFFICE	Building C27,ADMIN / IT OFFICE	Building X12,CONSTRUCTION CREW SHOP	Building 2638,MCDONALD'S MOANALUA SHOP CTR
				Field Sample ID:	F1-TW-0015366-22340-N	F1-TW-0015388-22340-N	F1-TW-0015390-22340-N	F1-TW-0015311-22340-N	F1-TW-0015312-22340-N	F1-TW-0015315-22340-N	F1-TW-0015319-22340-N	F1-TW-0015352-22340-N
				Sample Date:	2023-03-21	2023-03-21	2023-01-17	2023-01-19	2023-04-17	2023-04-17	2023-04-17	2023-01-18
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	ND	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Other Buildings in Zone F1

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

		Location ID:	F1-BLDG0043	F1-BLDG00A7	F1-BLDG00X1	F1-BLDG0888	F1-BLDG0A12	F1-BLDG0C27	F1-BLDG0X12	F1-BLDG2638
		Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
		Address:	Building 43,PW MAINTENANCE SHOP (EUR B)	Building A7,ADMINISTRATION BUILDING	Building X1,PEST CONTROL SHOP	Building 888,NM GOLF CLUB HOUSE/RESTAURAN	Building A12,ADMIN OFFICE	Building C27,ADMIN / IT OFFICE	Building X12,CONSTRUCTION CREW SHOP	Building 2638,MCDONALD'S MOANALUA SHOP CTR
		Field Sample ID:	F1-TW-0015366-22340-N	F1-TW-0015388-22340-N	F1-TW-0015390-22340-N	F1-TW-0015311-22340-N	F1-TW-0015312-22340-N	F1-TW-0015315-22340-N	F1-TW-0015319-22340-N	F1-TW-0015352-22340-N
		Sample Date:	2023-03-21	2023-03-21	2023-01-17	2023-01-19	2023-04-17	2023-04-17	2023-04-17	2023-01-18
		Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND	ND	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND	ND	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	2.50	ND	0.350	0.390	0.260	0.320	0.260
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.890	ND	ND	0.290	ND	ND	0.290
	Total Trihalomethanes	80	MCL	3.39	ND	0.350	0.680	0.260	0.320	0.260

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Other Buildings in Zone F1

<b>Notes:</b>
ND = Not Detected
ISP = Incident Specific Parameter
EAL = DOH Environmental Action Level
EPA MCL = EPA Maximum Contaminant Level
All Results shown in Parts per Billion (ppb)
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: F1-BLDG2649			Location ID: F1-BLDG2655		
				Location Type: Non-Residence			Location Type: Medical Building		
				Address: Building 2649, LOCKER RM/DRIVING RANGE ANNEX			Address: Building 2655, FOOD/SERVICE STORES		
				Field Sample ID:	F1-TW-0015360-22340-N	F1-TW-0015332-22340-N-1	F1-TW-0015332-22340-N-2		
				Sample Date:	2023-02-09	2023-01-18	2023-01-18		
				Sample Type:	N (Normal)	N (Normal)	N (Normal)		
Field Test (ppb)	Free Chlorine	4000	MCL	320	440-510	440-510			
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND			
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	53.9	ND	59.9			
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND			
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND			
	Petroleum Hydrocarbons, Total	266	ISP	53.9	ND	59.9			
Metals (ppb)	Antimony	6	MCL	ND	ND	ND			
	Arsenic	10	MCL	ND	ND	ND			
	Barium	2000	MCL	1.90	1.80	1.90			
	Beryllium	4	MCL	ND	ND	ND			
	Cadmium	5	MCL	ND	ND	ND			
	Chromium	100	MCL	1.50	1.80	1.80			
	Copper	1300	MCL	83.5	19.1	17.3			
	Lead	15	MCL	0.430	0.210	ND			
	Mercury	2	MCL	ND	ND	ND			
	Selenium	50	MCL	ND	ND	ND			
Synthetic Organic Compounds (ppb)	Thallium	2	MCL	ND	ND	ND			
	1-Methylnaphthalene	10	EAL	ND	ND	ND			
	2-Methylnaphthalene	10	EAL	ND	ND	ND			
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND			
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND			
Volatile Organic Compounds (ppb)	Naphthalene	17	EAL	ND	ND	ND			
	1,1,1-Trichloroethane	--	--	ND	ND	ND			

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Other Buildings in Zone F1

<b>Notes:</b>
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID: F1-BLDG2649			Location ID: F1-BLDG2655		
				Location Type: Non-Residence	Medical Building		Building 2655,FOOD/SERVICE STORES		
				Address: Building 2649,LOCKER RM/DRIVING RANGE ANNEX					
				Field Sample ID: F1-TW-0015360-22340-N	F1-TW-0015332-22340-N-1	F1-TW-0015332-22340-N-2			
				Sample Date: 2023-02-09	2023-01-18	2023-01-18			
				Sample Type: N (Normal)	N (Normal)	N (Normal)			
Volatile Organic Compounds (ppb)	1,1,2-Trichloroethane	5	MCL	ND	ND	ND			
	1,1-Dichloroethene	7	MCL	ND	ND	ND			
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND			
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND			
	1,2-Dichloroethane	5	MCL	ND	ND	ND			
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND			
	1,2-Dichloropropane	5	MCL	ND	ND	ND			
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND			
	Benzene	5	MCL	ND	ND	ND			
	Carbon Tetrachloride	5	MCL	ND	ND	ND			
	Chlorobenzene	100	MCL	ND	ND	ND			
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND			
	Ethylbenzene	700	MCL	ND	ND	ND			
	m,p-Xylene	--	--	ND	ND	ND			
	Methylene chloride	5	MCL	ND	ND	ND			
	o-Xylene	--	--	ND	ND	ND			
	Styrene	100	MCL	ND	ND	ND			
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND			
	Toluene	1000	MCL	ND	ND	ND			
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND			
Trichloroethene (TCE)	5	MCL	ND	ND	ND				
Vinyl chloride	2	MCL	ND	ND	ND				
Xylenes, Total	10000	MCL	ND	ND	ND				

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Other Buildings in Zone F1

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All Results shown in Parts per Billion (ppb)
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N (Grab, Resample) = Additional follow-up sample

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	Location ID:	F1-BLDG2655	
				Location Type:	Medical Building	
				Address:	Building 2655,FOOD/SERVICE STORES	
				Field Sample ID:	F1-TW-0015332-22340-N-1	F1-TW-0015332-22340-N-2
				Sample Date:	2023-01-18	2023-01-18
				Sample Type:	N (Normal)	N (Normal)
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND
	Chloroacetic acid	--	--	ND	ND	ND
	Dibromoacetic acid	--	--	ND	ND	ND
	Dichloroacetic acid	--	--	ND	ND	ND
	Trichloroacetic acid	--	--	ND	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND	ND
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND
	Bromoform	--	--	0.350	ND	0.320
	Chloroform	--	--	ND	ND	ND
	Dibromochloromethane	--	--	ND	ND	ND
	Total Trihalomethanes	80	MCL	0.350	ND	0.320

**Summary of Chemistry Results  
Zone F1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in January - June 2023 from Fire Hydrants in Zone F1**

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N (Grab, Resample) = Additional follow-up sample

		Location ID:	F1-HYD009A	F1-HYD014A	F1-HYD017B		F1-HYD028A	F1-HYD029A		F1-HYD037A	
		Location Type:	Hydrant	Hydrant	Hydrant		Hydrant	Hydrant		Hydrant	
		Address:	FH ID: FH:9A	FH ID: FH:14A	FH ID: FH:17B		FH ID: FH:28A	FH ID: FH:29A		FH ID: FH:37A	
		Field Sample ID:	F1-DL-0017719-22340 -N	F1-DL-0017720-22340 -N	F1-DL-0017721-22340 -3-N	F1-DL-0017721-22340 -N	F1-DL-0017722-22340 -N	F1-DL-0017723-22340 -3-N	F1-DL-0017723-22340 -N	F1-DL-0017724-22340 -N	
		Sample Date:	2023-01-18	2023-01-18	2023-01-18	2023-01-18	2023-01-18	2023-04-19	2023-04-19	2023-04-19	
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level								
Field Test (ppb)	Free Chlorine	4000	MCL	370	450	480	480	510	470	470	20.0
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND	ND	ND	ND	ND	230	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	59.2	ND	57.2	54.3	ND	79.4	ND	ND
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND	ND	57.9	ND	ND	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	59.2	ND	57.2	112	ND	79.4	ND	ND
Metals (ppb)	Antimony	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	10	MCL	ND	ND	ND	ND	ND	ND	ND	0.500
	Barium	2000	MCL	2.00	1.80	2.30	2.10	2.60	1.90	1.80	3.40
	Beryllium	4	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Cadmium	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	100	MCL	1.80	1.70	1.90	2.10	2.10	1.60	1.60	1.10
	Mercury	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Selenium	50	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	2	MCL	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND	ND	ND	0.0110	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	17	EAL	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone F1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

**Drinking Water Samples collected in January - June 2023 from Fire Hydrants in Zone F1**

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		Location ID:	F1-HYD009A	F1-HYD014A	F1-HYD017B		F1-HYD028A	F1-HYD029A		F1-HYD037A
		Location Type:	Hydrant	Hydrant	Hydrant		Hydrant	Hydrant		Hydrant
		Address:	FH ID: FH:9A	FH ID: FH:14A	FH ID: FH:17B		FH ID: FH:28A	FH ID: FH:29A		FH ID: FH:37A
		Field Sample ID:	F1-DL-0017719-22340 -N	F1-DL-0017720-22340 -N	F1-DL-0017721-22340 -3-N	F1-DL-0017721-22340 -N	F1-DL-0017722-22340 -N	F1-DL-0017723-22340 -3-N	F1-DL-0017723-22340 -N	F1-DL-0017724-22340 -N
		Sample Date:	2023-01-18	2023-01-18	2023-01-18	2023-01-18	2023-01-18	2023-04-19	2023-04-19	2023-04-19
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Volatile Organic Compounds (ppb)	1,2-Dichloroethane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	700	MCL	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylene	--	--	0.310	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	MCL	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	--	--	ND	ND	ND	ND	ND	ND	ND
	Styrene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Toluene	1000	MCL	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	MCL	ND	ND	ND	ND	ND	ND	ND
	Xylenes, Total	10000	MCL	0.310	ND	ND	ND	ND	ND	ND
	Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND	ND	ND	ND	ND
Chloroacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND
Dibromoacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND
Dichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND
Trichloroacetic acid		--	--	ND	ND	ND	ND	ND	ND	ND
Total Haloacetic acids		60	MCL	ND	ND	ND	ND	ND	ND	ND

**Summary of Chemistry Results  
Zone F1 Long Term Monitoring  
Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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		Location ID:	F1-HYD009A	F1-HYD014A	F1-HYD017B		F1-HYD028A	F1-HYD029A		F1-HYD037A
		Location Type:	Hydrant	Hydrant	Hydrant		Hydrant	Hydrant		Hydrant
		Address:	FH ID: FH:9A	FH ID: FH:14A	FH ID: FH:17B		FH ID: FH:28A	FH ID: FH:29A		FH ID: FH:37A
		Field Sample ID:	F1-DL-0017719-22340 -N	F1-DL-0017720-22340 -N	F1-DL-0017721-22340 -3-N	F1-DL-0017721-22340 -N	F1-DL-0017722-22340 -N	F1-DL-0017723-22340 -3-N	F1-DL-0017723-22340 -N	F1-DL-0017724-22340 -N
		Sample Date:	2023-01-18	2023-01-18	2023-01-18	2023-01-18	2023-01-18	2023-04-19	2023-04-19	2023-04-19
		Sample Type:	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)
Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level							
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND
	Bromoform	--	--	0.820	0.500	0.460	0.400	0.380	0.530	0.490
	Chloroform	--	--	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	--	--	0.480	0.440	0.380	0.330	0.300	ND	0.250
	Total Trihalomethanes	80	MCL	1.30	0.940	0.840	0.730	0.680	0.530	0.740



**Summary of Chemistry Results  
Zone F1 Long Term Monitoring  
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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	F1-HYD0609	F1-HYD2134
				Location ID: F1-HYD0609	F1-HYD2134
				Location Type: Hydrant	Hydrant
				Address: FH ID: FH:609	FH ID: FH-11A
				Field Sample ID: F1-DL-0017725-22340-N	F1-DL-0000595-22340-N
				Sample Date: 2023-04-19	2023-04-19
				Sample Type: N (Normal)	N (Normal)
Field Test (ppb)	Free Chlorine	4000	MCL	380	420
General Chemistry (ppb)	Total Organic Carbon	2000	ISP	ND	ND
Hydrocarbons (ppb)	Petroleum Hydrocarbons (as Diesel)	--	--	ND	67.4
	Petroleum Hydrocarbons (as Gasoline)	--	--	ND	ND
	Petroleum Hydrocarbons (as Motor Oil)	--	--	ND	ND
	Petroleum Hydrocarbons, Total	266	ISP	ND	67.4
Metals (ppb)	Antimony	6	MCL	ND	ND
	Arsenic	10	MCL	ND	ND
	Barium	2000	MCL	2.30	1.90
	Beryllium	4	MCL	ND	ND
	Cadmium	5	MCL	ND	ND
	Chromium	100	MCL	1.60	1.70
	Mercury	2	MCL	ND	ND
	Selenium	50	MCL	ND	ND
	Thallium	2	MCL	ND	ND
Synthetic Organic Compounds (ppb)	1-Methylnaphthalene	10	EAL	ND	ND
	2-Methylnaphthalene	10	EAL	ND	ND
	Benzo(a)pyrene	0.2	MCL	ND	ND
	Bis(2-ethylhexyl)phthalate	6	MCL	ND	ND
	Naphthalene	17	EAL	ND	ND
Volatile Organic Compounds (ppb)	1,1,1-Trichloroethane	--	--	ND	ND
	1,1,2-Trichloroethane	5	MCL	ND	ND
	1,1-Dichloroethene	7	MCL	ND	ND
	1,2,4-Trichlorobenzene	70	MCL	ND	ND
	1,2-Dichlorobenzene	600	MCL	ND	ND

Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii

Drinking Water Samples collected in January - June 2023 from Fire Hydrants in Zone F1

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Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	F1-HYD0609	F1-HYD2134
				Location ID: F1-HYD0609	F1-HYD2134
				Location Type: Hydrant	Hydrant
				Address: FH ID: FH:609	FH ID: FH-11A
				Field Sample ID: F1-DL-0017725-22340-N	F1-DL-0000595-22340-N
				Sample Date: 2023-04-19	2023-04-19
				Sample Type: N (Normal)	N (Normal)
Volatile Organic Compounds (ppb)	1,2-Dichloroethane	5	MCL	ND	ND
	1,2-Dichloroethene (Total)	70	MCL	ND	ND
	1,2-Dichloropropane	5	MCL	ND	ND
	1,4-Dichlorobenzene	75	MCL	ND	ND
	Benzene	5	MCL	ND	ND
	Carbon Tetrachloride	5	MCL	ND	ND
	Chlorobenzene	100	MCL	ND	ND
	cis-1,2-Dichloroethene	70	MCL	ND	ND
	Ethylbenzene	700	MCL	ND	ND
	m,p-Xylene	--	--	ND	ND
	Methylene chloride	5	MCL	ND	ND
	o-Xylene	--	--	ND	ND
	Styrene	100	MCL	ND	ND
	Tetrachloroethene (PCE)	5	MCL	ND	ND
	Toluene	1000	MCL	ND	ND
	trans-1,2-Dichloroethene	100	MCL	ND	ND
	Trichloroethene (TCE)	5	MCL	ND	ND
	Vinyl chloride	2	MCL	ND	ND
	Xylenes, Total	10000	MCL	ND	ND
Haloacetic Acids (ppb)	Bromoacetic acid	--	--	ND	ND
	Chloroacetic acid	--	--	ND	ND
	Dibromoacetic acid	--	--	ND	ND
	Dichloroacetic acid	--	--	ND	ND
	Trichloroacetic acid	--	--	ND	ND
	Total Haloacetic acids	60	MCL	ND	ND

**Summary of Chemistry Results  
 Zone F1 Long Term Monitoring  
 Drinking Water Sampling, Joint Base Pearl Harbor - Hickam, Oahu, Hawaii**

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<b>Location ID:</b>	F1-HYD0609	F1-HYD2134
<b>Location Type:</b>	Hydrant	Hydrant
<b>Address:</b>	FH ID: FH:609	FH ID: FH-11A
<b>Field Sample ID:</b>	F1-DL-0017725-22340 -N	F1-DL-0000595-22340 -N
<b>Sample Date:</b>	2023-04-19	2023-04-19
<b>Sample Type:</b>	N (Normal)	N (Normal)

Method Group	Analyte	DOH Project Screening Level	Basis of Project Screening Level	F1-HYD0609	F1-HYD2134
Trihalomethanes (ppb)	Bromodichloromethane	--	--	ND	ND
	Bromoform	--	--	0.510	0.790
	Chloroform	--	--	ND	ND
	Dibromochloromethane	--	--	ND	0.330
	Total Trihalomethanes	80	MCL	0.510	1.12